

FORM 1449*

INFORMATION DISCLOSURE STATEMENT

IN AN APPLICATION

(Use several sheets if necessary)

Docket Number:

10552.26US01

Application Number

09/603,448

Applicant: THOMAS

Filing Date: 06/26/2000

Group Art Unit: 1645

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
✓	5,491,084	02/13/1996	Chalfie et al.			
	5,589,337	12/31/1996	Farr			
	5,625,048	04/29/1997	Tsien et al.			
	5,702,883	12/30/1997	Imaeda et al.			
	5,776,681	07/07/1998	Virta et al.			
	5,777,079	07/07/1998	Tsien et al.			
	5,804,387	09/08/1998	Cormack et al.			
	5,958,713	09/28/1999	Thastrup et al.			
	5,994,077	11/30/1999	Valdivia et al.			
	5,998,159	12/07/1999	Watson et al.			
	5,998,204	12/07/1999	Tsien et al.			
	6,004,764	12/21/1999	Bishai et al.			
	6,027,881	02/22/2000	Pavakis et al.			
	6,046,014	04/04/2000	Lagarias et al.			
✓	6,046,925	04/04/2000	Tsien et al.			
✓	6,054,321	04/25/2000	Tsien et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
✓	WO 96/23810	08/08/1996	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

✓	Ames, B. et al., "Methods for detecting carcinogens and mutagens with the salmonella/mammalian-microsome mutagenicity test", <i>Mutation Research</i> , Vol. 31, No. 6, pp. 347-364 (December 1975)
	Baldwin, T. et al., "Cloning and Expression of the <i>luxY</i> Gene from <i>Vibrio fischeri</i> Strain Y-1 in <i>Escherichia coli</i> and Complete Amino Acid Sequence of the Yellow Fluorescent Protein", <i>Biochemistry</i> , Vol. 29, No. 23, pp. 5509-5515 (June 12, 1990)
	Chalfie, M. et al., "Green Fluorescent Protein as a Marker for Gene Expression", <i>Science</i> , Vol. 263, pp. 802-805 (February 11, 1994)
	Ching-Y. et al., "Multiple Promoters for Transcription of the <i>Escherichia coli</i> DNA Topoisomerase I Gene and Their Regulation by DNA Supercoiling", <i>J. Mol. Biol.</i> , Vol. 202, pp. 735-742 (1988)
✓	Cormack, B. et al., "FACS-optimized mutants of the green fluorescent protein (GFP)", <i>Gene</i> , Vol. 173, No. 1, pp. 33-38 (1996)
✓	Cramer, A. et al., "Improved Green Fluorescent Protein by Molecular Evolution Using DNA Shuffling", <i>Nature Biotechnology</i> , Vol. 14, No. 3, pp. 315-319 (March 14, 1996)

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2	Demple, B. et al., "Exonuclease III and endonuclease IV remove 3' blocks from DNA synthesis primers in H ₂ O ₂ -damaged <i>Escherichia coli</i> ", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 83, No. 20, pp. 7731-7735 (October 1986)
	Drlica, K. et al., "Inhibitors of DNA Topoisomerases", <i>Biochemistry</i> , Vol. 27, No. 7, pp. 2253-2259 (April 5, 1988)
	Elledge, S. et al., "The <i>muc</i> Genes of pKM101 Are Induced by DNA Damage", <i>J. Bacteriol.</i> , Vol. 155, No. 3, pp. 1306-1315 (September 1983)
	Ellenberg, J. et al., "Dual-colour imaging with GFP variants", <i>trends in Cell Biology</i> , Vol. 9, pp. 52-56 (February 1999)
	Farr, S. et al., "Oxidative Stress Responses in <i>Escherichia coli</i> and <i>Salmonella typhimurium</i> ", <i>Microbiol. Rev.</i> , Vol. 55, No. 4, pp. 561-585 (December 1991)
	Heim, R. et al., "Wavelength mutations and posttranslational autooxidation of green fluorescent protein", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 91, No. 26, pp. 12501-12504 (December 20, 1994)
	Heim, R. et al., "Improved Green fluorescence", <i>Nature</i> , Vol. 373, No. 6514, pp. 663-664 (February 23, 1995)
	Heim, R. et al., "Engineering green fluorescent protein for improved brightness, longer wavelengths and fluorescence resonance energy transfer", <i>Current Biology</i> , Vol. 6, No. 2, pp. 178-182 (February 1, 1996)
	Herrero, M. et al., "Transposon Vectors Containing Non-Antibiotic Resistance Selection Markers for Cloning and Stable Chromosomal Insertion of Foreign Genes in Gram-Negative Bacteria", <i>J. Bacteriol.</i> , Vol. 172, No. 11, pp. 6557-6567 (November 1990)
	Inouye, S. et al., "Evidence for redox forms of the <i>Aequorea</i> green fluorescent protein", <i>FEBS Letters</i> , Vol. 351, No. 2, pp. 211-214 (September 5, 1994)
	Ito, Y. et al., "A Novel Mutant of Green Fluorescent Protein with Enhanced Sensitivity for Microanalysis at 488 nm Excitation", <i>Biochemical and Biophysical Research Communications</i> , Vol. 264, No. 2, pp. 556-560, (October 22, 1999)
	Justus, T. et al., "Construction of a <i>umuC'-luxAB</i> plasmid for the detection of mutagenic DNA repair via luminescence", <i>Mutation Research</i> , Vol. 398, pp. 131-141 (1998)
	Justus, T. et al., "Evaluation of transcriptional fusions with green fluorescent protein versus luciferase as reporters in bacterial mutagenicity tests", <i>Mutagenesis</i> , Vol. 14, No. 4, pp. 351-356 (1999)
	Kitagawa, Y. et al., "Structural analysis of the <i>umu</i> operon required for inducible mutagenesis in <i>Escherichia coli</i> ", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 82, pp. 4336-4340 (July 1985)
	Langer, P. et al., "Functional Organization of Plasmid pKM101", <i>J. Bacteriol.</i> , Vol. 143, No. 3, pp. 1310-1316 (March 1981)
	Levine, L. et al., "Isolation and characterization of a photoprotein, "phialidin", and a spectrally unique green-fluorescent protein from the bioluminescent jellyfish <i>phialidium gregarium</i> ", <i>Comp. Biochem. Physiol.</i> , Vol. 72B, No. 1, pp. 77-85 (1982)
	Li, L. et al., "Continuous Fluorescence Assay of Phytochrome Assembly <i>in Vitro</i> ", <i>Biochemistry</i> , Vol. 34, No. 24, pp. 7923-7930 (June 26, 1995)
	Lilley, D.M.J. et al., "Local DNA topology and gene expression: the case of the <i>eu-500</i> promoter", <i>Molecular Microbiology</i> , Vol. 5, No. 4, pp. 779-783 (April 1991)
	Maki, H. et al., "MutT protein specifically hydrolyses a potent mutagenic substrate for DNA synthesis", <i>Nature</i> , Vol. 355, No. 6357, pp. 273-275 (January 16, 1992)
	Marsh, L. et al., "Cold Sensitivity Induced by Overproduction of UmuDC in <i>Escherichia coli</i> ", <i>J. Bacteriol.</i> , Vol. 162, No. 1, pp. 155-161 (April 1985)
	Matthysse, A. et al., "Construction of GFP vectors for use in Gram-negative bacteria other than <i>Escherichia coli</i> ", <i>FEMS Microbiology Letters</i> , Vol. 145, No. 1, pp. 87-94 (November 15, 1996)
2	Nakabeppu, Y. et al., "Purification and Structure of the Intact Ada Regulatory Protein of <i>Escherichia coli</i> K12, O ⁶ -Methylguanine-DNA Methyltransferase", <i>J. Biol. Chem.</i> , Vol. 260, No. 12, pp. 7281-7288 (June 25, 1985)

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M		Norris, B. et al., "Nucleotide sequence of a cDNA clone encoding the precursor of the peridinin-chlorophyll <i>a</i> -binding protein from the dinoflagellate <i>Symbiodinium</i> sp.", <i>Plant Molecular Biology</i> , Vol. 24, No. 4, pp. 673-677 (February 1994)
		Perry, K. et al., "Identification of plasmid (pKM101)-coded proteins involved in mutagenesis and UV resistance", <i>Nature</i> , Vol. 300, No. 5889, pp. 278-281 (November 18, 1982)
		Perry, K. et al., " <i>umuDC</i> and <i>mucAB</i> operons whose products are required for UV light- and chemical-induced mutagenesis: UmuD, MucA, and LexA proteins share homology", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 82, No. 13, pp. 4331-4335 (July 1985)
		Prasher, D. et al., "Primary structure of the <i>Aequorea victoria</i> green-fluorescent protein", <i>Gene</i> , Vol. 111, No. 2, pp. 229-233 (1992)
		Shinagawa, H. et al., "Cloning and characterization of the <i>umu</i> operon responsible for inducible mutagenesis in <i>Escherichia coli</i> ", <i>Gene</i> , Vol. 23, No. 2, pp. 167-174 (August 1983)
		Smith, C. et al., "Sequence Analysis and Mapping of the <i>Salmonella typhimurium</i> LT2 <i>umuDC</i> Operon", <i>J. Bacteriol.</i> , Vol. 172, No. 9, pp. 4964-4978 (September 1990)
		Tanooka, H. et al., "Heterospecific Expression of Misrepair-Enhancing Activity of <i>mucAB</i> in <i>Escherichia coli</i> and <i>Bacillus subtilis</i> ", <i>J. Bacteriol.</i> , Vol. 173, No. 9, pp. 2906-2914 (May 1991)
		Thomas, S. et al., "Structural Characterization of the <i>Salmonella typhimurium</i> LT2 <i>umu</i> Operon", <i>J. Bacteriol.</i> , Vol. 172, No. 9, pp. 4979-4987 (September 1990)
		Tsien, R. et al., "FRET for studying intracellular signalling", <i>trends in Cell Biology</i> , Vol. 3, pp. 242-245 (July 1993)
		Ward, W. et al., "Spectral perturbations of the <i>Aequorea</i> green-fluorescent protein", <i>Photochem. Photobiol.</i> , Vol. 35, No. 6, pp. 803-808 (June 1982)
		Wilbanks, S. et al., "Rod Structure of a Phycoerythrin II-containing Phycobilisome", <i>J. Biol. Chem.</i> , Vol. 268, No. 2, pp. 1226-1235 (January 15, 1993)
		"AutoFluorescent Proteins and Fusion Vectors. AutoFluorescent Proteins AFR®: Vital fluorescent tags and reporter systems", <i>Quantum Biotechnologies</i> , 5 pages (Date Unknown)
		"Autofluorescent Proteins & Fusion Vectors. Characteristics of the AFR® From GFP to AFRs™", <i>Quantum Biotechnologies</i> , http://www.qbi.com/Products/autofluorescent2c.html , 4 pages (Printed June 14, 2000)
		"Living Colors™ Fluorescent Proteins", <i>Clontech Now You Can</i> , 8 pages (©1997, 1998 CLONTECH Laboratories, Inc.)
		"Living Colors® Product List", <i>CLONTECH Laboratories, Inc.</i> , pp. 1-6 (April 1999)
		"Living Colors® Red Fluorescent Protein. The only red fluorescent protein for expression studies", <i>CLONTECHniques</i> , pp. 1-5 (October 1999)
2		"PQBI 25", <i>Quantum Biotechnologies</i> , 19 pages (Date Unknown)



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